



SSSSSSSS	TTTTTTTT	RRRRRRRR	LL	NN	NN	KK	KK	
SSSSSSSS	TTTTTTTT	RRRRRRRR	LL	NN	NN	KK	KK	
SS	TT	RR	RR	NN	NN	KK	KK	
SS	TT	RR	RR	NN	NN	KK	KK	
SS	TT	RR	RR	NNNN	NN	KK	KK	
SS	TT	RR	RR	NNNN	NN	KK	KK	
SSSSSS	TT	RRRRRRRR	LL	NN	NN	KKKKKK		
SSSSSS	TT	RRRRRRRR	LL	NN	NN	KKKKKK		
	TT	RR	RR	NN	NNNN	KK	KK	
SS	TT	RR	RR	NN	NNNN	KK	KK	
SS	TT	RR	RR	NN	NN	KK	KK	
SS	TT	RR	RR	NN	NN	KK	KK	
SS	TT	RR	RR	NN	NN	KK	KK	
SSSSSSSS	TT	RR	RR	NN	NN	KK	KK	....
SSSSSSSS	TT	RR	RR	NN	NN	KK	KK	....
								....
								....

```

RRRRRRRR      EEEEEEEEEEE      QQQQQQ
RRRRRRRR      EEEEEEEEEEE      QQQQQQ
RR           RR EE           QQ           QQ
RR           RR EE           QQ           QQ
RR           RR EE           QQ           QQ
RR           RR EE           QQ           QQ
RRRRRRRR      EEEEEEEEEEE      QQ           QQ
RRRRRRRR      EEEEEEEEEEE      QQ           QQ
RR      RR    EE           QQ           QQ
RR      RR    EE           QQ           QQ
RR           RR EE           QQ           QQ
RR           RR EE           QQ           QQ
RR           RR EE           QQ           QQ
RR           RR EE           QQ           QQ
RR           RR EEEEEEEEEEE      QQQQQ      QQ
RR           RR EEEEEEEEEEE      QQQQQ      QQ

```

Require file STRLNK.REQ

Edit: RKR1011

This file, STRLNK.REQ, defines the linkages to the STR facility,  
and to the routines LIB\$SCOPY\_R\_DX6, LIB\$SCOPY\_DXDX6, LIB\$SFREE1\_DD6  
and LIB\$ANALYZE\_SDESC\_R2.

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\*\*  
AUTHOR: R. Will,

CREATION DATE: 20-FEB-79

## MODIFIED BY:

- 1-001 - Original. RW 20-FEB-79
- 1-002 - Add linkages for by ref entry points. RW 15-Mar-79
- 1-003 - Add linkages for GET and FREE JSB entry points.  
JBS 04-JUN-1979
- 1-004 - Remove PRINT statement, for new BLISS compiler.  
JBS 02-OCT-1979
- 1-005 - Make \$\$MOVQ, add LEFT, RIGHT, LEN\_EXTR, POS\_EXTR.  
RW 1-Nov-79
- 1-006 - Add POSIT. RW 1-NOV-79
- 1-007 - Add DUPL CHAR. RW 7-Nov-79
- 1-008 - Add REPLACE. RW 3-Dec-79
- 1-009 - Add linkages to LIB\$SCOPY\_R\_DX6, LIB\$SCOPY\_DXDX6,  
LIB\$SFREE1\_DD6, LIB\$ANALYZE\_SDESC\_R3, and  
STR\$CHECK\_STATUS\_R2.  
RKR 3-MAY-1981.
- 1-010 - Add linkage to STR\$ANALYZE\_SDESC\_R2. RKR 19-OCT-1981.
- 1-011 - Revised linkage to LIB\$ANALYZE\_SDESC\_R2 to not use R3.  
Revised linkage to STR\$ANALYZE\_SDESC\_R1 to not use R2.  
RKR 18-NOV-1981.



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Public linkages. These begin with STR\$. Private linkages (only used within the STR facility) begin with STR\$\$.

## LINKAGE

JSB interface for routine written in MACRO to do a MOVQ arguments are passed in R0 and R1, no other registers are used

```
STR$$JSB_MOVQ = JSB (REGISTER = 0, REGISTER = 1) :  
                  NOTUSED (2, 3, 4, 5, 6, 7, 8, 9, 10, 11),
```

JSB interface for STR\$COPY routines. User is responsible for R2-R8, they will be destroyed. R9, R10 and R11 are not used.  
DX linkage is for routines called with 2 descriptors. R linkage is used for routines called with source length and address and the destination descriptor.

```
STR$JSB_COPY_DX = JSB (REGISTER = 0, REGISTER = 1) :  
                    NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
                    NOTUSED (9, 10, 11),
```

```
STR$JSB_COPY_R = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2) :  
                  NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
                  NOTUSED (9, 10, 11),
```

JSB interface for STR\$LEFT

```
STR$JSB_LEFT = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2) :  
                  NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
                  NOTUSED (9, 10, 11),
```

JSB interface for STR\$RIGHT

```
STR$JSB_RIGHT = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2) :  
                  NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
                  NOTUSED (9, 10, 11),
```

JSB interface for STR\$LEN\_EXTR\_R8

```
STR$JSB_LEN_EXT = JSB  
  (REGISTER = 0, REGISTER = 1, REGISTER = 2, REGISTER = 3) :  
  NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
  NOTUSED (9, 10, 11),
```

! JSB interface for STR\$POS\_EXTR\_R8  
!-

STR\$JSB\_POS\_EXT = JSB  
(REGISTER = 0, REGISTER = 1, REGISTER = 2, REGISTER = 3) :  
NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
NOTUSED (9, 10, 11),

!+ JSB interface for STR\$DUPL\_CHAR\_R8  
!-

STR\$JSB\_DUPL\_CH = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2):  
NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
NOTUSED (9, 10, 11),

!+ JSB interface for STR\$REPLACE  
!-

STR\$JSB\_REPLACE = JSB  
(REGISTER = 0, REGISTER = 1, REGISTER = 2, REGISTER = 3, REGISTER = 4):  
NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
NOTUSED (9, 10, 11),

!+ JSB interface for STR\$POSITION\_R6  
!-

STR\$JSB\_POSIT = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2):  
NOPRESERVE (2, 3, 4, 5, 6)  
NOTUSED (7, 8, 9, 10, 11),

!+ JSB interface for STR\$GET1\_DX and STR\$FREE1\_DX routines.  
!-

STR\$JSB\_GETFRE = JSB (REGISTER = 0, REGISTER = 1) :  
NOPRESERVE (4, 3, 2, 1, 0)  
NOTUSED (11, 10, 9, 8, 7, 6, 5),

!+ JSB interface for LIB\$SCOPY\_R\_DX6, LIB\$SCOPY\_DXDX6 and  
LIB\$SFREE1\_DD6 routines.  
!-

STRING\_JSBJ = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2) :  
NOPRESERVE (2, 3, 4, 5, 6)  
NOTUSED (7, 8, 9, 10, 11),

!+ JSB interface for LIB\$ANALYZE\_SDESC\_R2 routine.  
!-

LIB\$ANALYZE\_SDESC\_JSBJ\_LINK = JSB ( REGISTER = 0 ;  
REGISTER = 1, REGISTER = 2) :  
NOTUSED (3,4,5,6,7,8,9,10,11),

!+ JSB interface for STR\$ANALYZE\_SDESC\_R1 routine.  
!-



!-

```
STR$ANALYZE_SDESC_JSB_LINK = JSB ( REGISTER = 0 ;  
                                REGISTER = 0, REGISTER = 1 ) :  
                                NOTUSED (2,3,4,5,6,7,8,9,10,11),
```

```
!+ JSB interface for STR$$CHECK_STATUS_R2 routine.  
!-
```

```
STR$$CHECK_STATUS_LINKAGE = JSB ( REGISTER = 0 ) :  
                             NOPRESERVE (1, 2)  
                             NOTUSED (3, 4, 5, 6, 7, 8, 9, 10, 11) ;
```

```
!      End of file STRLNK.REQ
```



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